COMPUTER ENGINEERING (LM55)

(Lecce - Università degli Studi)

Insegnamento SYSTEM AND NETWORK PROGRAMMING

GenCod A003127

Insegnamento SYSTEM AND NETWORK PROGRAMMING

Insegnamento in inglese SYSTEM AND NETWORK PROGRAMMING

Settore disciplinare ING-INF/05

Corso di studi di riferimento COMPUTER ENGINEERING

Tipo corso di studi Laurea Magistrale

Crediti 9.0

Ripartizione oraria Ore Attività frontale: 81.0

Per immatricolati nel 2018/2019

Erogato nel 2018/2019

Anno di corso 1

Lingua INGLESE

Percorso PERCORSO COMUNE

Docente Francesco TOMMASI

Sede Lecce

Periodo Primo Semestre

Tipo esame Orale

Valutazione Voto Finale

Orario dell'insegnamento
https://easyroom.unisalento.it/Orario

PROGRAMMA ESTESO

System and Network Programming (A.Y. 2018-2019)
Computer Engineering 2nd level Master Degree
Credits: 9
Course start: First semester (TBD, last days of september 2018)
Course aims: The course aims at introducing the students to system programming for a real operating system. The selected system is UNIX (in its MacOS and Linux variety). The course presents (with examples) most System APIs (the "System Calls").

References:
Stevens, Rago - Advanced Programming in the UNIX Environment, 3rd Edition 2013, ISBN 978-0321637734
Stevens, Fenner, Rudoff - Unix Network Programming, Volume 1: The Sockets Networking API (3rd Edition), ISBN 978-0131411555
Kerrisk - The Linux Programming Interface - ISBN 978-1593272203
Didactic method: While lectures are delivered, the students sit in front of a computer and are requested to reproduce every step as shown by the teacher.

Students evaluation: The students must be able to write an actual C program to solve a proposed problem, with the classroom computer. Time allowed is two-three hours. They are free to google and to consult any kind of documentation they wish to bring with themselves.
Meet the teacher: the teacher is always available. Just write to francesco.tommasi@unisalento.it for an appointment.
Exam dates: see https://easytest.unisalento.it/Calendario/FAC_Ingegneria/index.html